

## **IN THE CLAIMS:**

### Amendments to the Claims

Please amend claims 25, 27, 32, 34, 39, 43, please renumber claims 45 and 46 as claims 46 and 47 and amend claim 47 as shown below.

### Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

---

Claims 1-22 (canceled)

23. (previously presented) A liquid crystal display apparatus comprising:  
a pair of substrates, at least one of which is transparent;  
a liquid crystal layer formed by sandwiching a liquid crystal composition  
between said pair of substrates;

a display region having a plurality of first semiconductor elements which are  
arranged in a matrix on one substrate of said pair of substrates;

at least one peripheral circuit having a plurality of second semiconductor  
elements arranged at a periphery of said display region, said at least one peripheral  
circuit being formed on said one substrate of said pair of substrates and at least one  
part of said at least one peripheral circuit being arranged in a peripheral circuit  
region which is held between said pair of substrates; and

at least one driver circuit which is electrically connected to said at least one  
peripheral circuit for driving said at least one peripheral circuit being arranged  
outside of a region which is held between said pair of substrates.

24. (previously presented) A liquid crystal display apparatus according to claim 23, wherein said at least one driver circuit is separate from said pair of substrates.

25. (currently amended) A liquid crystal display apparatus according to claim 23, wherein said display region having said plurality of first semiconductor elements has at least one semiconductor portion annealed by laser irradiation.

26. (previously presented) A liquid crystal display apparatus according to claim 23, wherein an amplitude of a liquid crystal driving source voltage of said at least one driver circuit is no greater than about 5V.

2  
27. (currently amended) A liquid crystal display apparatus according to claim 26, wherein said at least one peripheral circuit includes said plurality of second semiconductor elements having at least one semiconductor portion annealed by laser irradiation.

28. (previously presented) A liquid crystal display apparatus according to claim 27, wherein the laser irradiation is provided by an excimer laser.

29. (previously presented) A liquid crystal display apparatus according to claim 28, wherein said at least one driver circuit is a single driver circuit.

30. (previously presented) A liquid crystal display apparatus according to claim 28, wherein said at least one driver circuit includes two driver circuits.

31. (previously presented) A liquid crystal display apparatus according to claim 28, wherein said plurality of second semiconductor elements are thin-film transistors, and said thin-film transistors have a mobility in the range of 100 cm<sup>2</sup>/Vs to 300 cm<sup>2</sup>/Vs.

32. (currently amended) A liquid crystal display apparatus comprising:  
a pair of substrates, at least one of which is transparent;  
a liquid crystal layer formed by sandwiching a liquid crystal composition between said pair of substrates;  
a display region having a plurality of semiconductor elements arranged in a matrix on one substrate of said pair of substrates;  
an image signal peripheral circuit which comprises a switch matrix circuit connected to said display region on one substrate of said pair of substrates; and  
at least one driver circuit electrically connected to said image signal peripheral circuit.

33. (previously presented) A liquid crystal display apparatus according to claim 32, wherein a scanning signal peripheral circuit is connected to said display region and is formed on one substrate of said pair of substrates.

34. (currently amended) A liquid crystal display apparatus according to claim 33, wherein at least one of said image signal peripheral circuit and said scanning signal peripheral circuit includes a plurality of semiconductor elements having at least one semiconductor portion annealed by laser irradiation.

35. (previously presented) A liquid crystal display apparatus according to claim 34, wherein the laser irradiation is excimer laser irradiation.

36. (previously presented) A liquid crystal display apparatus according to claim 35, wherein the laser irradiation is provided by an XeCl excimer laser.

37. (currently amended) A liquid crystal display apparatus according to claim 36, wherein said switch matrix circuit comprises thin-film transistors, and said thin-film transistors have a mobility in the range of 100 cm<sup>2</sup>/Vs to 300 cm<sup>2</sup>/Vs.

38. (currently amended) A liquid crystal display apparatus comprising:  
a pair of substrates, at least one of which is transparent;  
a liquid crystal layer formed by enclosing a liquid crystal composition between said pair of substrates;

a display region having a plurality of semiconductor elements arranged in a matrix form on one substrate of said pair of substrates;

at least one image signal peripheral circuit having a switch matrix circuit connected to said display region; and

at least one driver circuit, including at least one display information generating circuit, electrically connected to said at least one image signal peripheral circuit.

39. (currently amended) A liquid crystal display apparatus according to claim 38, wherein said at least one image signal peripheral circuit includes a plurality of semiconductor elements having at least one semiconductor portion annealed by laser irradiation.

40. (previously presented) A liquid crystal display apparatus according to claim 39, wherein the laser irradiation is provided by an excimer laser.

41. (currently amended) A liquid crystal display apparatus according to claim 40, wherein said excimer laser is a XeCl excimer laser.

42. (previously presented) A liquid crystal display apparatus comprising:  
a pair of substrates, at least one of which is transparent;  
a liquid crystal layer formed by sandwiching a liquid crystal composition  
between said pair of substrates;  
a display region having a plurality of first semiconductor elements arranged in  
a matrix form on one substrate of said pair of substrates; and  
an image signal peripheral circuit having a switch matrix circuit connected to  
said display region;  
wherein only one driver circuit is electrically connected to said image signal  
peripheral circuit for generating clock pulses and image signals.

43. (currently amended) A liquid crystal display apparatus according to claim 42, wherein said image signal peripheral circuit includes a plurality of semiconductor elements having at least one semiconductor portion annealed by laser irradiation.

44. (previously presented) A liquid crystal display apparatus according to claim 43, wherein the laser irradiation is provided by an excimer laser.

45. (previously presented) A liquid crystal display apparatus according to claim 44, wherein said excimer laser is a XeCl excimer laser.

46. (previously presented) A liquid crystal display apparatus according to claim 42, wherein said image signals are analog image signals.

47. (currently amended) A liquid crystal display apparatus according to claim 26, wherein the amplitude of the liquid crystal driving source voltage of said at least one driver circuit is no greater than about 3V.

---